Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/12/2017 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124426	-1	1.88	124298	1.87
Blue	F	SSC	125000	122747	-2	3.26	122983	3.00
Blue	E	FITC	21625	20834	-4	2.49	929	10.18
Blue	D	PE	26832	26244	-3	2.01	944	9.81
Blue	B	PerCP-Cy5-5	48027	46818	-3	3.51	1346	16.85
Blue	A	PE-Cy7	40971	40528	-2	5.23	627	35.18
Red	C	APC	49746	48942	-2	2.88	2814	9.50
Red	A	APC-Cy7	53615	53004	-2	2.98	1100	11.30
Violet	B	V450	14488	13693	-6	5.57	654	9.79
Violet	A	V500	55123	53107	-4	5.45	2362	7.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19382	6.07	608	10	N/A	N/A	Pass
Blue	F	SSC	61141	1.49	536	2	N/A	N/A	Pass
Blue	E	FITC	103	38.02	535	-1	0.0209	107	Pass
Blue	D	PE	207	29.46	532	1	0.1637	267	Pass
Blue	B	PerCP-Cy5-5	212	43.55	628	-1	0.0101	57	Pass
Blue	A	PE-Cy7	69	116.90	679	-2	0.0121	14	Pass
Red	C	APC	330	26.77	589	-5	0.0201	9	Pass
Red	A	APC-Cy7	120	39.54	573	-7	0.0054	1336	Pass
Violet	B	V450	79	42.59	468	-3	0.0471	1947	Pass
Violet	A	V500	171	22.02	494	-2	0.0155	295	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-30.77	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.19	13.27 - 19.91	N/A	N/A	30.81	31.40	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10372

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments